

Network Centric Operations

Challenges of Change



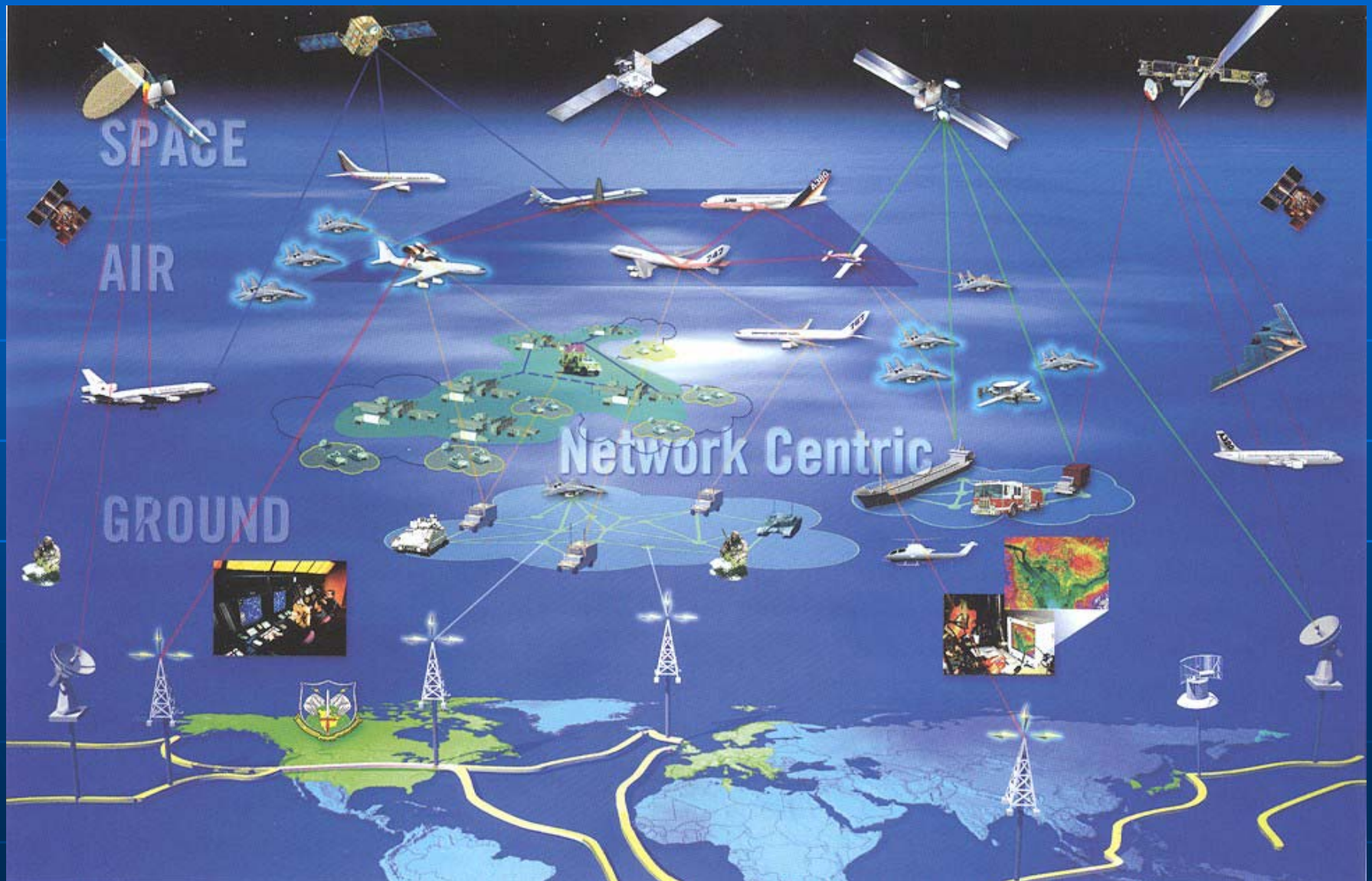
Mr. Tim Wallace

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NCO – What does it mean?

- NCO is the ability to operate and maximize the transportation & aviation system by making use of all available information
 - NCO (*How?*) Focuses on the mechanics of moving, sharing, and accessing information
 - NCO (*Who?*) Focuses on the aviation and transportation community...all of us
 - NCO (*Why?*) Focuses on the operational benefits and transformation effects

NCO encompasses a broad vision...



How does NCO work?

- Sources of aviation information are given a name, description, and “address”
- The information is made available through a highly accessible network
- Users are given access rights to discover and access aviation information
- Information is used and combined in applications

Top 6 implications of NCO

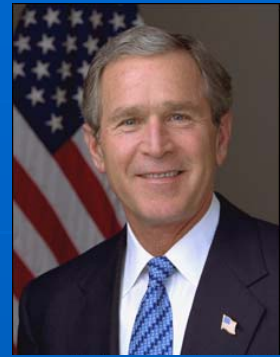
- We must be prepared to challenge our understanding about service delivery and system relationships
- We must be prepared for a new generation of automation systems
- We must be prepared for unprecedented creativity from industry and academia

Top 6 Implications (cont)

- We must be prepared to exploit underutilized airspace & airports
- We must be prepared to find new ways to determine who can get information
- We must be prepared to change

Leadership Vision – President

Why Share Information? Why Now?



“Modern information technology is essential not only for making our Nation more prosperous but for making our homeland more secure.”

- President George W. Bush, in *Securing the Homeland, Strengthening the Nation*

“Government at the federal, state and local level must actively collaborate and partner with the private sector, which controls 85 percent of America's infrastructure.”

- President George W. Bush, *“National Strategy for Homeland Security”* July 16 2002. p34.

Leadership Vision – DOT

What happens if we share information?



From Secretary's Vision: "Safer, Simpler, Smarter Transportation Solutions"

Transportation is an integrated network consisting of publicly and privately owned and operated equipment, infrastructure and logistics systems. Increasingly the equipment Similarly the infrastructure – highways, port facilities, airports, space launch and reentry sites, railway and transit stations – is connected by communication and information networks.

The Nation's economic growth and prosperity are dependent upon the synergies of our transportation and information networks.

Leadership Vision – DOD

What is the key to transformation?



In response to questions about his proposed budget and transformation efforts, he prefers to think of change less in terms of dollars and cents than in processes and linkages:

"It can be simply in connectivity," he said. "It can be in interoperability. It can be in taking things that every single one of which exists presently and managing them, using them, connecting them, arraying them in a way that has a result that is transformational."

Leadership Vision – DHS

What are our priorities?



DHS Strategic Plan Priorities for Second Year Priority #1:
Stronger Information Sharing and Infrastructure Protection

"Critical to the Department of Homeland Security's mission is the ability to effectively share information with homeland security partners across the country to better protect the nation's critical infrastructure."

Transformation Strategy

- Align Interagency Net-Centric Policies
- Increase community dialogue
- Partner with Industry & Academia
- Exhibit how NCO applies to Aviation
- Information Cataloging

If we want things to stay the same...a
lot of things are going to have to
change around here.....

.....Anonymous

Thank you!



Serving as the Senior Policy Committee Advisory Committee

*IAW Public Law 108-176, Vision 100—Century of Aviation
Reauthorization Act.*

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